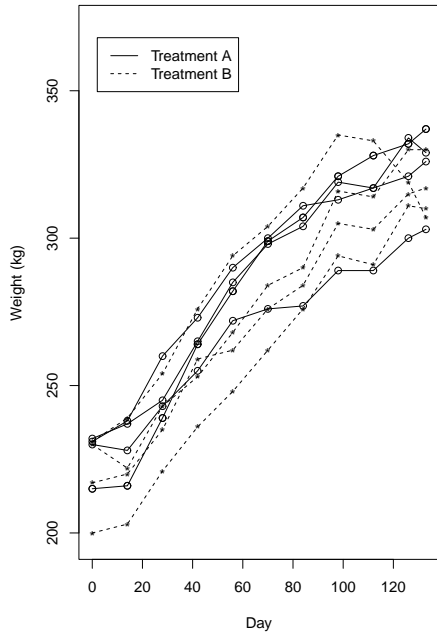
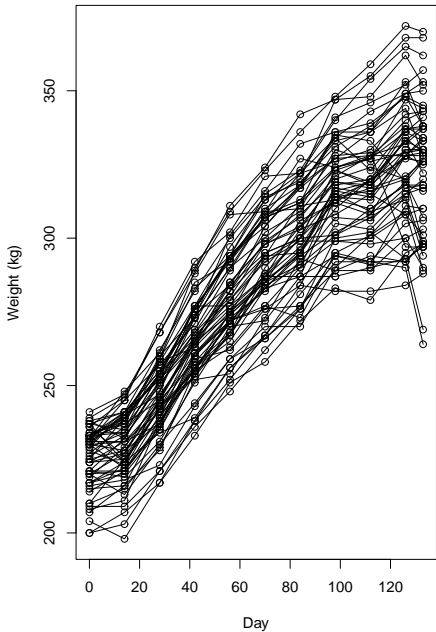
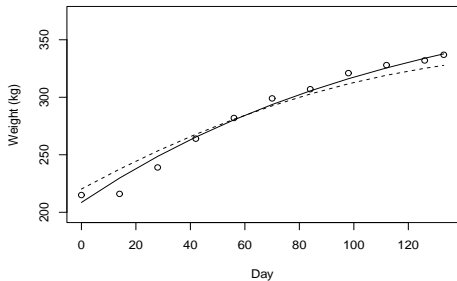
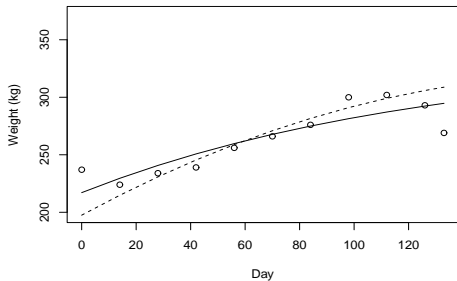
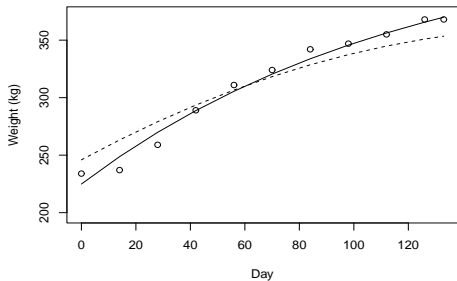
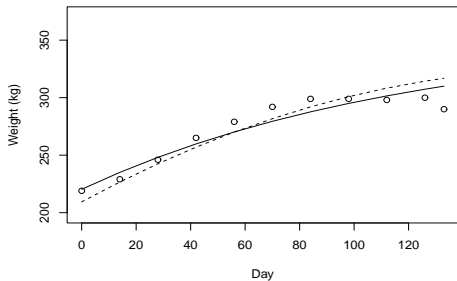


**Figure 14.2 Fitted Viral Load Trajectories for Four Randomly Selected Patients in the HIV Study Based on NLME Model (14.9) (solid lines), Nonlinear Model (14.8) (dotted lines), and the Quadratic LME Model (dashed lines). The open circles are observed viral loads**



**Figure 14.8 Weight Measurements from the Cattle Weight Data. Left figure: all animals. Right figure: four randomly selected animals**



**Figure 14.9 Observed (open circles) and Fitted Weight Trajectories Based on the NLME Model (14.15)–(14.16) (solid lines) and the Quadratic LME Model (14.17)–(14.18) (dashed lines) for the Four Cows Randomly Selected from the Cattle Weight Data**